

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [16793] 38S question
Message-ID: <Pine.OSF.3.95.970407112828.21281A-100000@duke.usask.ca>

I couldn't get two peaks on my 38S until I went down to 16 turns on the transformer. Did anyone else have the same experience or did I goof somewhere?

Brian.

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+-----+
| Brian Buydens,          Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                                |
+-----+
| Keep Cool, but Don't Freeze                                |
|           - Hellman's Mayonnaise                                |
+-----+
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From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
Subject: [16814] 38S VX0 tuning characteristics (sample)
Message-ID: <1997Apr07.174534-0400@[130.113.234.7]>

Someone was curious about the voltage-to-frequency curve for the 38s. Now, understand that everyone's will be different, depending on how much the xtal swings, which choke value is in series, and the 1N4004 'varicap' capacitance range.

With that caveat, here's the data from my rig, with a 6.8uh choke installed for L1. The pot is a linear-taper RV4 type that's suppose to rotate 313 degrees.

volts	freq-10Mhz	potAngle
0	0.09288	0
0.0065	0.093	15
0.031	0.094	25
0.084	0.096	30
0.142	0.098	34.7
0.206	0.1	36.7
0.28	0.102	41
0.36	0.104	44.6

0.45	0.106	48
0.56	0.108	52
0.68	0.11	56.8
0.81	0.112	62.6
0.97	0.114	74.3
1.18	0.116	82.8
1.43	0.118	90
1.79	0.12	96
2.04	0.121	104
2.34	0.122	114
2.71	0.123	126
3.19	0.124	139
3.75	0.125	157.5
4.42	0.126	182
5.3	0.127	207.2
6.38	0.128	233.2
7	0.1285	251
7.7	0.129	274
8.02	0.12922	292
8.05	0.12923	313.5

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997
 From: jsm@deepcove.com (Steve McDonald)
 Subject: [16763] 40-9er Crystal
 Message-ID: <199704070529.WAA27717@freya.van.hookup.net>

Chuck...Rick, WZ2T has asked me to let you know what xtal to ship for the 40-9er. If you've got 7.040 that would be great.

Steve / VE7SL

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997
 From: mdwatt@usit.net (Marty Watt)
 Subject: [16794] 50/40/30 from Tennessee
 Message-ID: <33492fffd.208923538@smtp.usit.net>

I haven't seen anything from WS4S (Conrad), but I'll be helping dish out Tennessee this Thursday evening (local, Friday morn. UTC). Conrad will have first pick of frequencies, but without squashing him, I plan on being on as follows:

0000Z-0200Z (7- 9pm CDT 4/10) 10.115+/- QRM

0200Z-0400Z (9-11pm CDT 4/10) 7.115+/- QRM, probably first lower
spot available.

If there is thunderstorm activity in the area, and there very well
may be, I won't be there -- watch the weather channel for sure
information.

I've got the memory keyer set up to call "CQ QRP WAS" x2 "de KM7W"x3
(first at 13, then at 5, then at 15 wpm). I won't go much above 15
wpm, and will gladly QRS on request to your sending speed.
Particularly interested in Novice/Tech+ operations on 40m.

Exchange is: RST, Name, SPC (state/province/country), power.

Rigs will be: 30m -- 38 Special with 4 watts
40m -- MFJ-9040 with 4 watts

Antenna: 40/30 dipole, single coax feed, sloping up from 18'
to 40'

Looking forward to Arkansas tomorrow night (4/8 local)!

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
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From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Jim/NOUR <LAGESON@worldnet.att.net>  
Subject: [16807] 50/40/30 WAS-ND  
Message-ID: <19970407204328.AAC8455@LOCALNAME>

The trip is still on despite below zero windchills today and blizzard/flood  
warnings yesterday in SE ND.

Look for us all day, (4/12/97) all bands during the QRP ARCI contest. Will  
sked to be on 30 meters (10.115) at 00:00z saturday evening (sunday am UTC),  
and 40 meters at 02:00 Z. Also will be back on 30 meters sunday am 15:00 Z.

Also on RS-12 satellite on all good passes for 2xqrp.

Hope to hear ya! (qrz???????)

72's Jim N0UR qrp-l 799, qrp arci 6846,

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: camqrp@cyberg8t.com (Cam Hartford)  
Subject: [16817] April QSO Party  
Message-ID: <199704072221.PAA13830@key.cyberg8t.com>

Gang -

The QRP ARCI QSO Party is this coming weekend, April 12-13. Rules are in the April QQ, which many of you have not yet received. I'll post abbreviated rules here tomorrow (need to get them from home).

The rules are the same as the Fall QSO Party, just change the dates to April 12-13.

Later,

Cam N6GA

WIMPS: Qs=007 30m=6 17m=1 12m=0 States=05/00/00 DX=01/00/00

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: pmeier <pmeier@tir.com>  
Subject: [16813] Are You Missing Out??  
Message-ID: <199704072139.RAA12783@tir.com>

I hope not! Tickets are selling fast but I still have plenty of room for biggest event of the QRP year -- THE FOURTH ANNUAL DAYTON QRP BANQUET - A part of F.D.I.M.(Four Days in May)

The banquet this year is much anticipated with MFJ's founder Martin F. Jue K5FLU as our guest speaker and meal to 'die for'. Well, certainly one meal not to be missed anyway with a choice of Roast Beef (carved for you), Baked Spring Chicken Breast, Italian Style Baked Lasagna with Herb Whipped Potatoes, Green Beans w/Mushrooms, Tossed Garden Salad, Rolls and Butter, and Layer Cake for desert.

Following Mr. Jue's talk some important QRP awards will be presented and then I get the pleasure of handing out really top notch door prizes from vendors like MFJ, Small Wonder Labs, LDG Electronics, S&S Engineering,

Embedded Research, Kanga, Milestone Technologies and more.

YOU DON'T WANT MISS THIS ONE DO YOU? IF NOT, SEND YOUR SASE AND CHECK  
FOR \$15 payable to:

Pete Meier  
4181 Rural  
Waterford, MI 48329

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: n4so@juno.com (charles k brown)  
Subject: [16772] Backup Juno files  
Message-ID: <19970407.060304.7903.5.n4so@juno.com>

A batch file will backup QRP messages in the Inbox, the  
Address Book and initialization parameters in the event  
Juno crashes.  
Filename: backup.txt

Also looking for NorCal 38 Special contacts.

Ken Brown, N4SO  
QTH nr Mobile, AL  
qrp-1 #622  
n4so@juno.com  
QRV on 30 meters

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "Len W. Tough" <len@infinet.com>  
Subject: [16746] CQrp Memorial Day Beacon early announcement  
Message-ID: <199704070124.VAA02762@mail1.infinet.com>

VVV VVV MB MB MB

YEP, The CQrp Easter beacon was such a success, CQrp we will do a  
Memorial Day (weekend holiday) Beacon as well.

Mark your calendars! Memorial weekend, starting Friday at 17:00 z and  
ending on Memorial Day (Monday) at 21:00z on 20 meters - yes 20 meters  
this time, NOT 40!

Planned frequency is 14033.3

As with the Easter Beacon, copy the beacon text starting with VVV VVV

MB MB MB

email text of what you copied to me, and receive a BEACON COPY certificate from the Columbus QRP Club.

I will announce this again as the holiday draws closer.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

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QRP-L # 841            CQrp # 2            ARCI # 9025            FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,  
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

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From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>

Subject: [16751] CW keyboards

Message-ID: <9704070235.AA18381@tlcnet.muohio.edu>

Hi Gang,

Can anyone recommend a small but decent keyboard?

I had a DGM but it bit the dust, after 15 years of faithful service. I also had a Skipjack before that - NO buffer.

The MFJ's are apparently surplus as they will NOT guarantee the appearance as in the catalog. Besides that they are AT computer KB's and are about a third wider than they need be. After all we are talking qrp philosophy here. So that brings it all down to what? Any suggestions?

de vic ad8k . .

ps. the forty meter band is thumping tonight. K6ceq was thumping my new Ten

Tec 1340 He said I was over s 9 on his receiver..Ohio to San Diego btw, of course he had a three element beam. hi I guess I had better propgation than HAARP. :-)

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "Allan G. Taylor" <ataylor@midas.llnl.gov>  
Subject: [16795] CW reflector  
Message-ID: <199704071824.LAA26790@midas.llnl.gov>

The CW reflector I mentioned a few days ago on QRP-L is alive and well, and open for business!!

To sign up send your email as follows:

Subject:  
Body: subscribe cw <email address> \*\*

\*\* the email address will default to that in your message

To send email to the reflector:

Subject: ...your subject...  
Body: ...your input...

CW lovers: get into this and share your experiences and interests.

As the list-owner, completely inexperienced, just watching me flub could be quite comic...something QRP-Lers are into.

Grant K7GT CW FOREVER!

k7gt@qsl.net

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: WD6BOR@aol.com  
Subject: [16744] Dan's parts for school

Message-ID: <970406211345\_-1302220663@emout09.mail.aol.com>

I've been placing an average of two orders with Dan's ever since I found out about him. He has one of the most complete selections of surplus parts at excellent prices I've found, and I've done a lot of scrounging. Working with a limited school electronics class materials budget, I've really appreciated the good prices and excellent service Dan has given.

Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [16792] de K5FO/3  
Message-ID: <199704071725.SAA06250@chuck.dallas.sgi.com>

Gang,

1. Went to the swapmeet in MD late late on Saturday 10-12am on Sunday. Met W3TS, KI3B, and few others while roaming the lot. Sorry if I missed any others that were there. Picked up some of the Mouser knobs like OHR and NN1G uses for \$0.25. Thought the guy would be back on Sunday. That's what I get for thinking. He didn't. :-)
2. WA8MCQ sent me email for a meeting while I'm in the area. Thursday night is about it guys. Pick a time and place and let me know how to get there. email to Mike C.
3. Twice today I started a 200MB transfer and twice someone killed the network. As soon as I can get my stuff here I can push it to my home page. Hang on.

dit dit es tnx

Chuck Adams K5FO CP-60 adams@sgi.com

[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

WIMPS: Qs=006 30m=3 17m=3 12m=0 States=03/03/00 DX=00/00/00 QSLs=000

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: EBikales@aol.com



Subject: [16741] Eric's UK Tour

Message-ID: <970406202035\_-900722596@emout17.mail.aol.com>

To Ron Todd, Seab Lyon, Jay Miller, Tony Fishpool and all other interested parties:

I will be playing keyboards on tour with Neil Sedaka in the UK from May 11-30. Like the last time, I will bring my MFJ setup and Isotron ant. along with a dipole, should it be setupable. My usual m.o. is to check into the hotel, locate a path to the roof, set up antenna, and operate. Now anything can happen. The worst case scenerio being no path to the roof, and windows don't open. If roof access is out, I strip the floor lamp, bolt on the Isotron, and stick it out the window, and away we go. You just never know what to expect. By the looks of the schedule, days off: like Tues. May 13 in Dublin, 24 & 25th in Glasgow, 29th in London are opportune times. But I'll be on whenever possible. I like to hover around 14.025, but have to be flexible. On the day of show, morning is ok from about 0800Z to say 1400Z, before our soundcheck. 2300Z after shows might work if the band stays open over there. I welcome all QRP QSOs, especially with QRP-L ops. I'm thinking about printing some special QSLs (figuring I make a contact!) Think positive... Here then is my tour sked:

|           |    |                       |
|-----------|----|-----------------------|
| Sunday    | 11 | Belfast               |
| Monday    | 12 | Dublin                |
| Tuesday   | 13 | OFF                   |
| Wednesday | 14 | Travel to Bournemouth |
| Thursday  | 15 | Play Bournemouth      |
| Friday    | 16 | Travel                |
| Saturday  | 17 | Cardiff               |
| Sunday    | 18 | Travel                |
| Monday    | 19 | Nottingham            |
| Tuesday   | 20 | Newcastle             |
| Wednesday | 21 | Manchester            |
| Thursday  | 22 | Travel                |
| Friday    | 23 | Glasgow               |
| Saturday  | 24 | Glasgow               |
| Sunday    | 25 | Glasgow               |
| Monday    | 26 | Harrogate             |
| Tuesday   | 27 | Birmingham            |
| Wednesday | 28 | Travel                |
| Thursday  | 29 | OFF                   |
| Friday    | 30 | London                |

Feel free to email me. I may buy a laptop to take with. 72 &CU. Eric  
AC6NT

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: "Brian K. Short" <ke7gh@primenet.com>  
Subject: [16742] Even More \*New\* Reflectors  
Message-ID: <3.0.1.32.19970407005118.006befa0@mailhost.primenet.com>

Al (K3TKJ) asked me to announce the following:  
(I am \*NOT\* list-owner of any of these, personally!)

The following reflectors at qsl.net are \*now\* available:

- 1) cw
- 2) 50mhz
- 3) forsale-swap
- 4) skywarn
- 5) aprs
- 6) ares-races
- 7) wsvhf
- 8) newsvhf
- 9) marrn
- 10) vintage-radio
- 11) packet-pbbs
- 12) sstv/atv

To signup for any of the above:

T0: majordomo@qsl.net

SUBJECT:

BODY: subscribe <put name of list here, no brackets>

(I was just asked to forward this information!)

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: NO OTHER THAN <mitch96@idt.net>  
Subject: [16776] for sale or trade  
Message-ID: <3348F8F9.3BCF@mail.idt.net>

for sale or trade:

yaesu ft50r 2 meter/70cm ultra compact hand held.

mh37 a4b mike/ear piece combo.

adms-1c programing software windows version.

tran mobile ant with mounting hardware and cabling

yaesu orange bumper cover.

\$495 or trade for tentec argo,scout station.

or whatever qrp (sounds like a rock band)

thanks

mitch n4jbw

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Dana Michael <damichael@amp.com>  
Subject: [16782] FOR SALE: OMNI-A, DELTA 580, HW-99, 208 CW FILTER  
Message-ID: <199704071449.KAA98279@nss2.CC.Lehigh.EDU>

FOR SALE:

OMNI-A + Astatic Hand Mic and original manual. Very good condition.  
\$300

DELTA 580 + N.B. + Astatic Hand Mic and original manuals. Execllent  
condition. \$475

HW-99 + original manuals. Good condition some scratches on top. \$250

#208 CW Filter for 509 Argonaut. Good condition with some scuffs on  
top. \$40

Interested?

Call 1-717-810-2891 from 6:30 AM till 3:30 PM EDT or 1-717-896-3973 from  
4:00PM till 10:00PM EDT or e-mail.

Thanks es 73, D. A. MIKE Michael W3TS

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: dwebster@netcom.com (Dennis Webster)  
Subject: [16762] For Sale:Ten Tec Scout Station  
Message-ID: <199704070520.WAA23707@netcom.netcom.com>

FOR SALE: Ten Tec Scout 555 xcvr. 50 watt SSB/CW (adj. to less than 5  
watts). Includes all 9 modules 160-10 meters, mike, manual, and a Ten Tec mod.  
291 Antenna Tuner.

I also have a TPS AC 11 amp power supply used with the station (small 5.5" x  
5.5" x 3"). All items in excellent physical and electronic condition. Want  
to sell as a package for \$575.00 without power supply or \$625 with supply.  
Price includes shipping in CONUS.

Dennis Webster WJ6H  
dwebster@netcom.com

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|Dennis Webster WJ6H/QRP          * LESS IS MORE! *|
|dwebster@netcom.com              |
|-----
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From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: John Dorson <jdorson@bbs.mpcs.com>  
Subject: [16743] fs bencher paddle/mfj-422b-x keyer  
Message-ID: <199704070053.UAA26549@bbs.mpcs.com>

hi folks. well time to get some of that green stuff in order to  
buy another kit.

thinking of dan's new ssb rig so i have decided to let my  
bencher paddle and mfj model mfj-422b-x combination go.  
keyer uses 9 volt bat. or ac adaptor for supply. has built in  
side-tone. speed adjustable from 1 wpm to over 50 wpm. works in  
both auto or semi-auto mode. i will supply new 9 volt bat., you  
supply cable.

price is \$75.00 money order including shipping in conus...

please e-mail directly to jdorson@bbs.mpcs.com  
Thank You

John Dorson Real Estate Consultant in Melbourne Beach, Brevard County Florida  
E-Mail To: jdorson@bbs.mpcs.com

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| Trying for WAS -      AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|
| and worked these:    MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|
|                     WI                                           |
|-----
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K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: N3BJ@aol.com  
Subject: [16777] FS: Intech HF "brick"  
Message-ID: <970407100348\_-501245498@emout03.mail.aol.com>

For Sale: Intech HF "brick" - appears to be capable of 75 watts with about 5

watts

drive. Could be used to boost qrp rigs - freq. coverage approx 2-20 mhz.

This was sold in the Marine market. Open construction, mounted on heatsink.

\$75.00 shipped

Alan, N3BJ

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

Subject: [16775] FS: Oak Hills WM-1 wattmeter

Message-ID: <Pine.3.89.9704070854.B27277-0100000@w3eax.umd.edu>

New condition, assembled. Scales are 0.1, 1, and 10 watts.

Asking \$70 plus shipping (sells for \$80 new).

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*

\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*

\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*

\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: n4js@amsat.org

Subject: [16799] Getting too old....

Message-ID: <XFMail.970407145927.n4js@amsat.org>

Just came in after climbing tower twice, up trees 3 times.....whew! I had my annual physical this morning and my heart was OK, but the doc said "get some exercise! SO, I figured that meant put up the multiban 30/17/12 dipole, as well as the 40M "Fox Killer." So I did. Not much but a little SSB on 17M, but sigs on 30M are good with the new antenna. On 40, WOW, received sigs are almost 1 S unit over my zepp! (I haven't transmitted yet, I am still shaking from climbing....)

Now for a hot bath.....

as OK, but the doc said "get some exercise! SO, I figured that meant put up the multiban 30/17/12 dipole, as well as the 40M "Fox Killer." So I did. Not much but a little SSB on 17M, but sigs on 30M are good with the new antenna

Sent at 14:59:27 on 07-Apr-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
<http://www.pobox.com/~n4js>  
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
NE-QRP #507 G-QRP #9544 NorCal QCWA FISTS #2781  
WIMPS Qs=010 30m=10 17m=0 12m=0 States=02/00/00 Countries=08/00/00

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: w7rfm@juno.com (John E Hirsch)  
Subject: [16780] H E L P  
Message-ID: <19970407.073118.2750.0.w7rfm@juno.com>

Could some one please forward a copy of the QRP meeting to be held in Seattle on April 10th. I started to print it out but hit the delete button instead and before I knew it I had wiped it out.

TNX John W7RFM@juno.com

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Mark Arvidson <arvidson@swbell.net>  
Subject: [16791] HB: Prototyping on cardboard  
Message-ID: <33492A84.7600@swbell.net>

Greetings QRP-Lmers,

I came across an idea to use self-adhesive copper tape from a stained-glass hobby shop stuck onto cardboard as an extremely cheap prototyping board. The idea came from the Australian QRP club's page somewhere...

I got a big roll (\$4) from a local hobby shop, and thought I'd use it in strips. Then I thought, I could make etching patterns, only on the top of the circuit, with this. Simply cut to the size needed and lay them down. I have to solder the pieces together, but it works dandy. I just solder the components to the top of the copper.

This was working fine for most things, but I had to bend transistor leads carefully and balance them while soldering them. IC's didn't work at all. Yesterday, I wanted to put terminal lugs on the board, so I took a dental tool and punched a hole through the copper tape and cardboard and screwed in the lugs. Works dandy! \*Ding\* Why not do the same for transistors and IC's (smaller holes of course)? Well, whadaya know, it works! Now I can lay down my traces, solder the joints, poke holes for

the components, and I have a nice layout. In fact, I can make vias the same way. I can overlay the copper tape by placing a bit of electrical tape between runs, too. Wow, this is almost as good as a real pcboard, and strong enough to be used indefinitely.

Just thought I'd share my discovery with the group. It's fast and cheap, and I can just throw it away if I don't like it...

Mark Arvidson  
KB0SPQ  
arvidson@swbell.net

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: w7rfm@juno.com (John E Hirsch)  
Subject: [16764] help.....  
Message-ID: <19970406.224056.3310.3.w7rfm@juno.com>

could some one please forward me a copy of the QRP meeting information. I hit Deleat instead of Print (They are next to each other and I goofed)

Tnx John W7RFM@ juno.com

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: wa5whn@juno.com (Jay D Miller)  
Subject: [16759] HF MUF Real Time display on the Net  
Message-ID: <19970406.205954.4559.0.wa5whn@juno.com>

QRP-Lers,

<http://solar.uleth.ca/solar/www/realtime.html>

An accurate realtime MUF display, updated every half-hour. I was viewing the MUF graph, when Central & South American stations, were coming through, on 10 & 15 meters S-9, today. The graph had also shown a path to the Pacific, but I did not copy a single Pacific station, on 10 or 15 meters. Also, some very strong signals on 17 meters, but not one QRP callsign, that I could recognize.

K5F0 had pointed me to this site, a few months ago. Tnx Chuck.

72...Jay, WA5WHN grid square: DM65qd  
Albuquerque, NM

PS 19 days left until the NorCal QRPTTF.

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [16803] Index Labs -- "Kaput" or what?  
Message-ID: <2.2.16.19970407193154.276f57e2@eloi>

Does anyone have any direct knowledge as to what is REALLY going on with Index Labs? Seems that no one has been able to contact them lately (I just thought it was "personal... :-). I believe that there was a posting mentioning a merger and a soon to be introduced new rig, but I didn't see the original post and have received nothing from Index (or whatever they are called now).

Enquiring minds (not to mention a lot of QRP+ owners and just curious busy-bodies) wanta know...

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [16781] Is my OHR normal?  
Message-ID: <Pine.LNX.3.93.970407083328.503C-100000@dns.vidtel.com>

Guess it's just one of those "guy" things. I'm just trying to find out if mine is "average". (Apologies to the YL's in the group). I have an OHR II on 40, from 7.100-7.150, I've been running it QRPp and notice about a 25% difference in power across the dial. At 7.100 I'm getting about 750mW while at 7.165 I'm getting just a shade over a watt on the WM-1. Not a big deal but gets a little tough to remember what to send as "PWR HR IS...", I don't want to mislead someone, hi. Usually I just tell them "1 WATT" (w/ a rpt of "ONE WATT") and it amazes most people.

Is there some way to make it more linear? If not, I can live with it, but really don't want to wastefully use whole watts if I don't have to. :)

72

|                                         |  |                                                                         |
|-----------------------------------------|--|-------------------------------------------------------------------------|
| -- Chris Cartwright, Technical Engineer |  | ccart@vidtel.com                                                        |
| -- Phone 301.990.0735 N3XRV QRP-L #655  |  | ccart@erols.com                                                         |
| -- QRP WAS 12/3 (w/c) QRP-ARCI #9271    |  | <a href="http://dns.vidtel.com/~ccart">http://dns.vidtel.com/~ccart</a> |



From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Makoto Minowa <minowa@icepp.s.u-tokyo.ac.jp>  
Subject: [16748] JA to W6 with 3 watts on 40m  
Message-ID: <199704070212.LAA27075@yanagi.icepp.s.u-tokyo.ac.jp>

Contacted with W6KP last night on 40m across the Pacific Ocean  
using 3W output Xcvt homebrewed from scratch and  
long wire antenna up 4 meters high with <<St. Louis Tuner>>.  
My QTH is Chiba, 30 kilometers to the east of Tokyo.  
He gave me 449.

QRP and HB are really great fun.

7N3WVM  
MINOWA, Makoto  
QRP-L member #572.  
A bigot with no Yaesu, no Kenwood and no ICOM in his shack.

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "Doug Hendricks" <ki6ds@telis.org>  
Subject: [16747] Kansas Report  
Message-ID: <199704070153.SAA23809@mail-01.telis.org>

Gang, I have been in Kansas since early Friday morning, and the news is not good. I thought that my father was going to have bypass surgery on Friday, but instead they found that he had 90% blockage of the left carotid artery and 50% blockage of the right side. So, they had to go in and clean that out before they could do the heart surgery. Dad made it through the Friday surgery and is scheduled for the bypass tomorrow morning at 7:30. He will have 4 bypasses and this is the third bypass surgery for him. He is 75 years old and not in good health at all.

I did want to let you know what was going on and that I will be unable to send missing parts for 38 Specials for at least a week. I apologize for that and hope that you understand. Jim does not have the parts, and we live 150 miles apart, so please do not ask him. Be patient and I will get to it as soon as I can.

Thank you for all of the kind messages of thoughts and prayers. They are appreciated.

72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Russ Carpenter <russ@natworld.com>  
Subject: [16809] Last Call for BUMBLEBEES  
Message-ID: <199704072053.QAA66837@nss2.CC.Lehigh.EDU>

We had such an enthusiastic response to the announcement for The Flight of the Bumblebees that we decided to re-open the roster. We're up to a total of 43 insects now. We really will close the roster tomorrow evening, so if you've been pondering Bumblebeedom, this is your chance.

Russ Carpenter, AA7QU  
Contest Manager for the Adventure Radio Society  
russ@natworld.com

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Dana Michael <damichael@amp.com>  
Subject: [16783] Low SWR on dummy load and high SWR on antenna  
Message-ID: <199704071512.LAA97176@nss2.CC.Lehigh.EDU>

Hello,

I just had a chance to read the posts from the weekend and saw some builders having low SWR on dummy load and high SWR on antenna.

I have had this trouble also. I finally found a way to tune up my transmitters with out a spectrum analyzer.

It seems that some TX output stages can be tuned for what appears to be full output into a dummy load, but when you hook a know good and matched antenna to the TX the SWR is high. This can be checked by lightly coupling a frequency counter to your dummy load as you are tuning the transmitter and check that the "bulk" of the RF output is being read on the counter at the frequency you are tuning for. Sort of a poormans spectrum analyzer.

I had to do this a long time ago when I built "A PAIR of SLIPPERS FOR THE HW-8". I was getting good output on the dummy load, but high SWR on the 40M dipole. After hooking up the counter to my dummy load I saw that I was tuning the output circuit to 5 MHZ! Some more tuning and tweeking got the counter to show 7MHZ and some more tuning resulted in full output on 7MHZ. Then going to the 40M dipole again indicated a low SWR!

Now, whenever I tune up a new TX I couple my counter to the dummy load. The coupling must be light or the counters input can be overloaded and

give incorrect readings.

I wrote this up in QRP QUARTERLY about 6 years ago. In the IDEA EXCHANGE column.

Hope this is of some help.

73 es GL, Mike W3TS

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: n4so@juno.com (charles k brown)  
Subject: [16797] Micronaut Transmitter info  
Message-ID: <19970407.123654.4431.0.n4so@juno.com>

micron.txt

Subject: Re: Micronaut Transmitter Info

Micronaut transmitter kits are available from:

Dave Ingram, K4TWJ  
4941 Scenic View Drive  
Birmingham, AL 35210.  
Kits are \$15 plus \$2 reg. shipping, \$3.50 priority mail.  
Specify 80, 40 , or 30 meters. You supply crystal.  
Ref. to March 1997 CQ mag. page 74 and 75 -- pictures, diagram and  
info. The basic circuit is a PN2222 oscillator with a few capacitors and  
resistors an RFC and inductor. I count about 13 parts.

nnnn

Ken Brown, N4SO  
QTH nr Mobile, AL  
qrp-1 #622  
n4so@juno.com  
QRV on 30 meters and looking for 38 Special contacts

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)  
Subject: [16758] never can tell  
Message-ID: <9704070340.AA26573@krypton.nmr.Hawaii.Edu>

Just when I was ready to chuck it all in the dumpster, I answered a

very weak CQ on 20 meters in the late afternoon on my puny wire dipole and got an immediate answer! A 559 report from Kamchatca. Of course I was running the full five watt limit. I am good for another two dozen hours of frustration...

Still don't know why I can't find US stations. Must be the mountains or the interaction with the building. My antenna is nowhere more than three feet from grounded reinforced concrete.

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Harry Bump <bump@redrose.net>  
Subject: [16757] NN1G 20m. rig problem  
Message-ID: <334893A2.6594@redrose.net>

Hi Gang,

Many thanks to the responses; all contained basically the same thought that 'spurs' are involved. It makes sense that it would look good in the dummy but ugly on the antenna.

No fancy test equipment here; will play a little by replacing the tranformer before the final and maybe drop a ferrite bead onto the base of the final to see what happens.

Will let you know the outcome.

73,

Harry, KM3D

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: DCrespy@aol.com  
Subject: [16750] NN1G 20m. rig problem.... any ideas?  
Message-ID: <970406222920\_1816995582@emout11.mail.aol.com>

Harry (and Allen),

you wrote:

>>Built an NN1G (Mk II) rig fer 20m a couple (2-3) years ago and have enjoyed using it very much; however it has recently developed a problem. When on my dummy load it shows one watt output and (almost) no reflected power, but when switched to the antenna SWR shoots up to above 4:1.<<

Allen's conclusion was also my first (I have two of these rigs, Mk2 and MK3, as well as a SW 40 and GM 30..which use the same TX amps). When the amp just before the final (the driver?) is over driven.. the rig makes a lot of power but it is all harmonics. The later rigs used a pot on the emitter of this transisitor instead of a fixed resistor. Seems like on mine the power comes up pretty fast as the pot is "turned up" and then at a specific point starts to come up more slowly or vice versa (seems like mine was at around one watt at 13 volts). This was the spot to leave the setting. Dave's notes said that going past this point was not good for the rig. I'd also check the resistor on the emitter of the driver and would be sure that the operating voltage is not much more than 12 or 13 volts and regulated.

Please let me know what it was.. when you figure it out.. I've got 4 rigs to maintain here with this set up!!!

Harry KG5LO  
Saline MI

(another Harry.. we've got to stick together)

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: tim\_hynde@idecc.com  
Subject: [16779] No subject given  
Message-ID: <9704078604.AA860423834@idec\_mail.idecc.com>

>  
>Jeese! I \*HATE\* the change to Definitely Stupid Time! There oughta  
>be something we can do to keep the time the same thruout the year!  
>WHY this upheaval twice a year! It's hell on the old body. I don't  
>care what time zone you standardize on, the object is: QUIT SCREWING  
>WITH THE CLOCK! GRRRRrrrrrr!

For us losers who still have to work for a living it provides an extra hour of day light during the summer months for outdoor activities. That was the reason for the creation of DST.

73, Tim, ka8ddz

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: Gary M - W2UX <MAIL4GARY@worldnet.att.net>  
Subject: [16760] OHR-100 Foreign BC interference?  
Message-ID: <3.0.1.16.19970406224157.3747e346@postoffice.worldnet.att.net>

Just finished my OHR-100 and was a good little kit. Boards are great and the parts all good quality. Even did the alignment without a scope and it came out fine.

One question though...has anyone else had any interference from the Foreign BC stations bleeding in?? Is there a cure?

Dick...I know that you read all these things...your input please.

Thanks gang for all replies.

73 / 72                    QRP ARCI # 8911  
Gary - W2UX                QRP-L # 593  
Lexington, SC              CQC #413  
(EX: WA2UAX)  
CW is the REAL THING!        Use it or lose it.

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Norm.Lee@flinders.edu.au (Norman J. Lee)  
Subject: [16738] Oskerblick  
Message-ID: <v01540b05af6e025cebc2@[129.96.234.104]>

Hi Friends,

I can't believe that I'm the only person on the whole of this list with an Oskerblick 300 SWR/Power meter. Briefly, it has provision via push buttons on the front for HF, 50, 144 and 430 MHz. On the back are a series of 6 RCA sockets, two each for the VHF bands. I think that these sockets by-pass the meters.

My question is - does anyone know what I have to do to get the meter to work on the VHF bands indicated? I think that I need some value of resistor which I think act as meter shunts, to plug into the appropriate sockets but I really don't know and I don't want to experiment too much in case I damage the meters! Anyone got any ideas?

Thanks

Norm VK5GI

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [16798] PN4355 specs ?  
Message-ID: <Pine.SUN.3.91.970407115024.12282A@crl3.crl.com>

Anyone with a data book listing PN4355 or 2N4355 ?

Need gain, voltage, current info, PNP or NPN, etc.

Thanks, Stan

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: k7sz@juno.com (Rich H Arland)  
Subject: [16755] Portable Vertical Antenna  
Message-ID: <19970407.031334.18927.1.K7SZ@juno.com>

Tnx to all who responded....and there was a BUNCH of you!

I have several leads on 5BTVs, 14AVQs, & an AV5. Also looking into a St. Louis Vertical with the W6MMA mod kit.

tnx again.

73 rich K7SZ

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [16802] Portsmouth Island Expedition  
Message-ID: <199704071941.PAA29994@mh004.infi.net>

Gang, someone else will probably furnish a full report, but This was so much fun, I've got to give you my quick impressions.

Whoever said single sideband wasn't for QRP, didn't know what they were talking about! Probably two thirds of our 500 or so contacts were 20M S.S.B.!!

Of course, we had two things going for us:

First, we had Knightlite "Sir Tiger", ("This is MY frequency") Andrew Lewis, K4HQ (16 yrs old) manning the microphone most of the time. He played the

airwaves like they were a piano. It was indeed a sight to behold and a sound to revere. When the QRO stations tried to take over the frequency they were met by 5 solid watts of immovable object. Inevitably, they gave up.

Second, it didn't hurt that we were a rare island, and as soon as we were on the air we were posted on European packet, so hams all over the world were listening for us on "our" frequency. We were evidently the first expedition to Portsmouth island.

Propagation was not too good on the lower bands and we were not able to get long runs going on CW. We did contact many familiar calls from this list, several on more than one band.

Notable contacts: Alaska (Jim, AL7FS), Australia - (and those are just the "A"'s)

I'll leave the full report to others - be sure to look for comments on:

- \* Raising the antennas (subtopics: Noodlemast, Roof climbing, phased verticals)
- \* Hale Bopp
- \* MREs
- \* Teamwork and compatibility (subtopic: short discussion concerning a certain conservative senator from NC)
- \* Peanut butter sandwiches and Chili
- \* Dolphins
- \* Water temperature
- \* Snoring
- \* Personal Hygiene
- \* Weather
- \* Gas
- \* Ferry/Marina

There will be pictures on one of the Webpages along with the full reports later this week.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. - Benny Hill  
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Bruce Rattray <RATTRAY@siast.sk.ca>  
Subject: [16784] priorities  
Message-ID: <6956320907041997/A25671/RIEL/11B43A5E1A00\*@MHS>



No need for apologies Don...obviously you have your priorities right...our best wishes to your Dad for a successful recovery and to you considering the very stressful situation...our prayers are with you all...72/73 - Bruce(VE5RC)  
QRP-L#886

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: ericvia@why.net (Eric Via)  
Subject: [16765] QRP is BEAUTIFUL!!!!  
Message-ID: <v01520d02af6dc00e2a53@[207.211.121.169]>

Fellow QRP'ers!

I LOVE this stuff!! I know I carry on alot about this - but it's only because sometimes I'm amazed at what we can do with so little power!

Tonight I get on the old HW-8 and go for it around 7040, within a minute or so I get answered by a KC7RME in Tuscon, Arizona! He gave me 579 and he was the same.

His name was Rick and when I told him I was working an HW-8 at around 4 watts he came back with:

AD4SS DE KC7RME R FB HOW MANY WATTS DID YOU  
SAY ERIC ? K

I told him again - FOUR.

He came back with:

AD4SS DE KC7RME R FB 4 WATTS I CANT BELIEVE IT HI

(I didn't even TELL him I had a homebrew shoddily built 40m dipole in my ATTIC!)

So I guess folks (I'm just learning the "SPORT" of QRP) I guess part of the thrill is what comes back to you from the other side - I'd bet a lot of folks didn't even think it POSSIBLE to do what you and I do every day! Perhaps we QRP'ers will open some eyes out there in the Ham world? Perhaps we'll show folks that you don't HAVE to spend mega-bucks that you don't have on equipment! We're evangelists for QRP! This is fun!

72 Eric "I'm REALLY hooked now!" Via AD4SS

ericvia@why.net  
Wylie, TX

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [16788] QRP-Plus Mods  
Message-ID: <2.2.16.19970407155846.276fb170@eloi>

I have published two articles on QRP-Plus modifications and enhancements -- the first appeared in the January 1997 ARCI QRP Quarterly and the second in the April '97 QRP Quarterly. If you are not an ARCI member (shame on you!) and would like a copy of the articles, send an SASE to me at the address shown below (be sure to tell me what it is for!) If you would also like a sample QRP Quarterly (not necessarily a recent issue) and a member application form, enclose \$2 (to cover mailing of the Quarterly).

There is one minor correction to the April article in the section "An improved Final MOSFET". The 33 Ohm resistor in the feedback network should be 1/2 W; I originally used a 1/4 resistor and it showed signs of "heat stress" after awhile. I am now using two 68 Ohm 1/4W resistors in parallel as this required less mounting space than a 33 Ohm 1/2W unit. By the way -- I have now performed this mod on a "new improved" model (commonly referred to as a "QRP++") and it works great!

Larry East, W1HUE  
1355 S. Rimline Dr.  
Idaho Falls, ID 83401

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: ericvia@why.net (Eric Via)  
Subject: [16766] Radio Waves BLOW MY MIND!!!  
Message-ID: <v01520d03af6dc236abf1@[207.211.121.169]>

Fellow Ham Ops,

I don't care HOW many books I read on science, or on radio waves, or modern technology, sometimes it just seems like plain and simple MAGIC to me what exactly happens!

I mean I had a QSO with a cat in New York the other night, and here I sit in my spare bedroom in Wylie, Texas (Near Dallas).

I'm using around FOUR WATTS - it's going from an antenna in my attic, out of my house, and ALL THE WAY TO NEW YORK!!!!!!?!?!?!?!?

I think we "modern technologically advanced" humans tend to think we know everything, that everything is science and easily understood, but the fact of what I'm doing simply blows my mind and to me it's simply MAGIC!

If I were to get in a CAR and DRIVE up to New York - the distance I would travel, and the time it would take, and alllllllll the sights I could stop and see along the way...and here's my little measly 4 watt signal whipping across that same distance, over hills, mountains, STATE AFTER STATE, over highways, through rain, over rivers, through forests, across American city after city and town after town, over houses with people sleeping, and on and on until it reaches this guy in New York?? MIND BOGGLING!!!

I'm serious folks I have to laugh when I think about this! I think most people take it for granted how radio signals work, they don't get to FEEL the magic like we QRP operators do every day!

Perhaps this is why it's so important to try and show the kids of today about Ham radio - not so they can grow up to be geeks like you and I, but so that they can actually put down their books and EXPERIENCE the magic of radio!

I know how those olf folks feel who refuse to actually believe that man has walked on the Moon!

72 Eric "Amazed" Via AD4SS  
ericvia@why.net  
Wylie, TX

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Peter\_Simpson@3mail.3com.com  
Subject: [16773] REQ: VCR Tuner module info?

Message-ID: <85256472.00455CDB.00@hqoutbound.ops.3com.com>

Peter Simpson@3COM  
04/07/97 04:41 AM

Memory fails me again, but someone in this gang was waxing poetic about all the goodies to be found in defunct VCRs. Well, it so happens that this past weekend, I came into a small supply of "partial" VCR boards containing the tuning modules.

Would the gang member who knows about salvaging VCRs please send me private email?

Thanks,  
Peter, KA1AXY

(and for those of you who want the whole story, the VCRs were left over from a "take-apart" area at the school science fest this past weekend, where I demonstrated ham radio, QRP, CW and a spectrum analyzer to admiring first through third graders)

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [16805] Research Projects for the group  
Message-ID: <Pine.SUN.3.91.970407123850.1276B-100000@crl12.crl.com>

Vic you were looking for suggestions for research projects. I would like to suggest the following project. We all have the necessary equipment a receiver and antenna. Do need a DVM in addition.

Karl Jansky in 1932 using very crude equipment by today's standards started radio astronomy by mapping the sky. He was looking for noise sources that QRM their communication systems.

SUGGESTED RESEARCH PROJECT: Map your receiving system (antenna and receiver) at various frequencies.

SUGGESTED METHOD: Monitor for a 24 hour period the noise output (DC) of

your receivers second detector.

RESULTS: If you have a super good system not only should you be able to watch the sun's effect you might be able to see the effect of the moon.

REFERENCE: An article appeared several years ago in QST on what levels to expect. Maybe someone can dig out the date of the article.

SUGGESTIONS ?

de stan ak0b

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [16752] SALE: QRP rigs, 2m mobile, HTs, mics, antennae, meter, more  
Message-ID: <Pine.3.89.9704061948.A25648-0100000@w3eax.umd.edu>

All of the following is shippable and represents a LOT of overflow from the shacks of NF3I and KA3RTE.

Yes, we're starting at NUMBER ZERO. It's a BIG list. Add this to the 30-odd tuners I'm gonna be getting and I myself am amazed my wife doesn't throw me out...

0) Outbacker Perth Plus mobile antenna, 6 months old, 160-2 meters! \$300 new, asking \$230.

1) Ten-Tec 705 desk mic, new condition. \$80 new, asking \$60.

2) Heathkit HM-2140 dual peak/PEP wattmeter, 2 kW, exc. cond., \$90 w/manual.

3) Oak Hills 20m Explorer II, built by me, exc. cond., w/manual, \$105.

4) Small Wonder Labs SW30 (30m), aligned by NN1G. Includes RIT mod, not installed. Rig is installed in PC board box. \$75.

5) Ark 20 20m CW rig. Excellent condition, with keyer installed by S&S engineering. Comes with FREE Ramsey 20w linear amp. Manuals, box, etc. \$275.

6) Alinco DJ-F1T compact 2m handheld. Covers AM aircraft and 138-174 MHz. Like new, with battery, charger, manual, and duckie. \$155.

7) Realistic HTX-404 430-450 MHz handheld, box/manual, exc. cond, \$140.

8) Ramsey 2m amplifier, 3 in gives 30 out. Excellent condition, \$40 with

box and manual.

9) Spi-ro 20/40m trap dipole antenna. Half perfect, half weathered. \$30 (was \$75 new).

10) Cushcraft AR-270 dual band vertical (2m/440 MHz). About 42" tall, 3.7 db on 2m and 5.5 db on 440. \$70 new, asking \$40.

11) Diamond SG-7500 mobile antenna, used one year. 41" tall, needs UHF mount. 3.5 db on 2m and 6 db on 440. Has tilt mechanism. \$87 new (very well built), asking \$50.

12) Diamond SG-7900 mobile antenna, used one year. 62" tall, 5 db on 2m and 7.6 db on 440. Needs UHF mount. Again, VERY solidly built. Has tilt mechanism. \$115 new, asking \$75.

13) Realistic HTX-100 10m mobile, decent shape with mic & power cord, copy of manual. \$120. SSB/CW.

14) Radio Shack multiple video distribution unit, New in box. Allows TV signals from several inputs to be channeled into up to three TVs via coax. Bought at Rat Shack in late 1992 for \$55, model 15-1290. Asking \$35. Receipt included, runs on 120 VAC.

15) Archer Radio Shack Video selector switch. 15-1261. Two AUX positions, plus ANT, cable, and VCR. VCR can be set to record any of the above. Like new, \$15. I never used this (it's KA3RTE's).

16) Alinco DR-130T 50w 2m mobile FM rig. Like new, with manual. Comes with wideband receive as well as CTCSS encode standard. 20 memories, easy-to-read LCD black-on-orange display. With mobile bracket, power cable, and DTMF mic. \$195.

17) Kenwood TH-28a 2m HT with optional CTCSS decode and 440 MHz receiver, crossband repeat, etc. Excellent condition, with PB-13 battery, charger, duckie, and manual. Receives 138-174 MHz and AM aircraft band. No belt clip - no idea where it is - although Kenwood will sell you one. \$210.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: ALK0FRP@aol.com  
Subject: [16753] Skip from Chicago  
Message-ID: <970406224646\_1850301470@emout10.mail.aol.com>

Skip  
Lost your e-mail adr

back in Chicago for the next 8 weeks.  
Pse ur e-mail again

AL K0FRP

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: WD6BOR@aol.com  
Subject: [16745] SOLDERING STATIONS  
Message-ID: <970406211410\_1917388502@emout15.mail.aol.com>

This is just a general message to the list. I just bought a rather nice temperature controlled soldering station made by Tenma in Taiwan. It has a digital readout and allows you to set the temperature desired using the readout and then switch to automatic temperature control. The station I bought is catalog number 21-1590 and is selling for \$69.95 from the regular price of \$119.00. A similar soldering station using an analog bargraph display is selling for \$59.95. The iron is interchangeable between the two stations and costs \$11.25 for a replacement iron. The station comes with an iron and conical tip. I bought a replacement iron and a couple of extra tips just in case the company goes out of business next week, although I think that is unlikely.

The seller is MCM Electronics, 1-800-543-4330. You might want to give them a call and ask for a catalog. The catalog numbers for the tips are: 21-148 for 3/64" conical, 21-925 for 1/8" long conical, 21--926 for 1/8" screwdriver tip, 21-927 for 3/64" long screwdriver tip, all for \$2.39 each. The replacement iron is #21-149 and is rated at a maximum of 48 watts. I've soldered some 6-32 brass hardware with the small tip without any problems and still was able to work on the pc board without resetting the control.

I've been using an Ungar 40 watt iron with a chisel tip for years but I didn't have any problem transferring to this unit. I hadn't bought a true temperature controlled station until now because I was put off by the over \$100 price range of the Wellers for my hobby use. So far this unit is serving well.

MCM also has desoldering pumps at \$4 as well as other tools and supplies.

Just thought someone out there might like the information.

72, Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [16778] SOLDERING STATIONS....Temp = Watt???  
Message-ID: <8D57171.000400202D.uuout@cheaha.com>

-> This is just a general message to the list. I just bought a rather  
-> nice temperature controlled soldering station made by Tenma in  
-> Taiwan. It has a digital readout and allows you to set the  
-> temperature desired using the readout and then switch to automatic  
-> temperature control. The station I

Sounds similar to a Weller EC2002 surplus/refurb unit that I picked up  
at a hamfest a couple of weeks ago. Being as I've used standard-watt  
irons in the past I'm curious as to the relationship between temperature  
and "wattage". I've found that on my station that temp readout around  
490-500 degrees is about right for getting the solder to melt for  
tinning....I haven't done any PCB work yet with it. So, has anybody got  
a break down of "temperature to wattage"? Tnx.

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: John McKee <JMckee@RFMD.COM>  
Subject: [16815] SST  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-970407215509Z-685@proxy1.rfmd.com>



Hello Gang,

Does anyone know if a photograph of an assembled SST exists along with a circuit description?

Thanks es 72,

John WB4OFT  
wb4oft@amsat.org

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: PGSPersEng@aol.com  
Subject: [16767] stock 38S alive, on to next challenges  
Message-ID: <970407032837\_1152928037@emout14.mail.aol.com>

First, thanks to all those list members who replied to my calls for help.

Over the weekend, I visited Alex, AI2Q, who has considerable experience in debugging equipment. In fact, he spent a while working for Heathkit in the repair department and has seen his share of nonfunctional boards. He's also got some nice test gear, as well. If you're reading this, Alex, thanks again. And because my 8-yr old Jenna was so involved in the project, she's taking the board into class for "sharing" on Monday.

It didn't take too long to spot the problem -- a bad connection to the pc board from one of the leads on transformer T1, so no signals were getting in and hence no receive. I thought I did a thorough job of preparing the leads, but obviously not good enough. Alex also worked at one time for a coil manufacturer and mentioned that they used a kind of wire on which a hot iron would remove the insulation, so these types of problems rarely arose. It would be nice if the 38S kit and any others with toroids used that same kind of wire!

So now I'm on to packaging and mods. Here I have several questions.

First, does anybody have any good suggestions for miniature pots for the rig, something that's not overly expensive? Have any vendor part numbers I can refer to?

I want to adjust the tuning range for the rig (get the low end with the DXers), and I've read the posts concerning it. However, would it make sense to simply replace D3 with a varactor? Anyway, can anybody tell me how much capacitance a 1N4004 is spec'd for?

Thanks,  
Paul, AA1MI

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: tim\_hynde@idecc.com  
Subject: [16771] Timed static at night.  
Message-ID: <9704078604.AA860414339@idec\_mail.idecc.com>

YOU WROTE:

ONCE A MINUTE, particularly at night, I get about a 10 second hit of heavy static - it fades in, and then fades out...(Usually when a person is sending their callsign & QTH)

I can't figure it out...I've even timed it - and the static last between 7-10 seconds, and after fading out comes back in again about 30-40 seconds later.

--break--

Q. Does it truly fade out or stop abruptly?

My guess is a local manufacturing plant doing ultra-sonic welding, especially since it's cyclical. Some of these ultra-sonic welders use 3-500Z's and generate tons of electrical noise.

73, Tim, ka8ddz

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [16796] TYPING HELP-OFF TOPIC (SORRY)  
Message-ID: <9703078604.AA860442001@smtpgw.ccgate.dl.nec.com>

Gang:

Sorry for this off-topic subject, but some may be able to direct me to a source.

I've found that to really help increase my pleasure in contests, logging, etc., I really need to learn how to type (correctly) on my laptop PC. I'm great at hunting/pecking, but never learned the proper way to type.

Is there a source out there to get a typing tutor to teach basic typing skills? Any share-ware you might know of. I'm still doing all my contesting via paper logs which is really starting to drag me down.

TIA for help!

73 de Dave NR3E/5  
nr Dallas, TX  
qrp-1 #25, ARRL  
WIMPS: Qs=009 30m=09 17m=00 12m=00 States=08/00/00  
DX=01/00/00

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: n4js@amsat.org  
Subject: [16774] WTB: HW-9  
Message-ID: <XFMail.970407085118.n4js@amsat.org>

Just to "round out" my QRP equipment, and for "Heath Nostaglia" I still am looking for an HW9, preferably with WARC pack.

Let me know, before you put your for sale on the list. (I never seem to catch those in time!)

Sent at 08:51:18 on 07-Apr-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
<http://www.pobox.com/~n4js>  
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
NE-QRP #507 G-QRP #9544 NorCal QCWA FISTS #2781  
WIMPS Qs=010 30m=10 17m=0 12m=0 States=02/00/00 Countries=08/00/00

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: [16812] Re: 50/40/30 from Tennessee  
Message-ID: <2.2.32.19970407211030.00d01760@infoave.net>

At 05:54 PM 4/7/97 +0000, Marty Watt wrote:

>I haven't seen anything from WS4S (Conrad), but I'll be helping dish  
>out Tennessee this Thursday evening (local, Friday morn. UTC).  
>Conrad will have first pick of frequencies, but without squashing  
>him, I plan on being on as follows:  
>  
>0000Z-0200Z (7- 9pm CDT 4/10) 10.115+/- QRM  
>0200Z-0400Z (9-11pm CDT 4/10) 7.115+/- QRM, probably first lower  
> spot available.

Hi Marty and the group,

I have been swamped with the glowbugs list so I haven't had too much time to think about posting anything else. Look for me on these combinations:

0000Z-0200Z (7- 9pm CDT 4/10) 10.110 + QRM  
0200Z-0400Z (9-11pm CDT 4/10) 7.050 - QRM

I am glad Marty will have the novice band covered. I don't have a programmable keyer yet, so I might be calling just about anything ... probably CQ WAS. If 30 dies out, I may shift to 40 early to catch some shorter skip. I hope this gives me a chance to fill out the WIMPS scoreboard too. QSL via the USA bureau.

Y'all come by ....

Conard

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: george fremin iii <geoiiii@bga.com>

Subject: [16761] Re: CQrp Memorial Day Beacon early announcement

Message-ID: <199704070505.AAA28699@zoom.bga.com>

Len W. Tough writes:

>  
>Mark your calendars! Memorial weekend, starting Friday at 17:00 z and  
>ending on Memorial Day (Monday) at 21:00z on 20 meters - yes 20 meters  
>this time, NOT 40!  
>  
>Planned frequency is 14033.3

This will be quite a challenge this time - as the CQ WPX CW contest will be going on during that weekend. With the bands the way they are (no spots) 20m should be \*packed\*.

--

George Fremin III  
Austin, Texas C.K.U.  
K5TR  
512/416-7010  
geoiiii@bga.com

"I'm on a mexican radio"  
- Wall of Voodoo

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Dana Michael <damichael@amp.com>  
Subject: [16787] Re: FOR SALE: OMNI-A, DELTA 580, HW-99, 208 CW FILTER  
Message-ID: <199704071641.MAA122961@nss2.CC.Lehigh.EDU>

Dana Michael wrote:

>  
> FOR SALE:  
>  
> OMNI-A + Astatic Hand Mic and original manual. Very good condition.  
> \$300  
>  
> DELTA 580 + N.B. + Astatic Hand Mic and original manuals. Execllent  
> condition. \$475  
>  
> HW-99 + original manuals. Good condition some scratches on top. \$250  
>  
> #208 CW Filter for 509 Argonaut. Good condition with some scuffs on  
> top. \$40  
>  
> Interested?  
>  
> Call 1-717-810-2891 from 6:30 AM till 3:30 PM EDT or 1-717-896-3973 from  
> 4:00PM till 10:00PM EDT or e-mail.  
>  
> Thanks es 73, D. A. MIKE Michael W3TS

The #208 CW Filter has been sold. The other gear is still available.  
TNX es 73, Mike W3TS

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: [16806] Re: Index Labs -- "Kaput" or what?  
Message-ID: <199704072048.QAA22286@web.gmpvt.com>

W1ZN told me that his QRP+ came back un-upgraded with a note

saying that the boards needed to do the upgrade are no longer available.

That doesn't sound too promising, but they DID send his radio back.

Tom W1EAT

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Scott Cranston <cranston@zk3.dec.com>  
Subject: [16808] Re: Index Labs -- "Kaput" or what?  
Message-ID: <9704072044.AA25908@alpha.zk3.dec.com>

Surf around on [www.sgcworld.com](http://www.sgcworld.com) for info on the SGC/Index Labs stuff and the new radio (SGC Model 2020).

Scott

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Brien Pepperdine <pepperb@gov.on.ca>  
Subject: [16818] Re: Index Labs -- "Kaput" or what?  
Message-ID: <Pine.OSF.3.93.970407183400.12828A-100000@govonca2.gov.on.ca>

I, like Larry East seems to have, checked out the SGC web page.  
I was not pleased by the statement co-signed by the principals of Index and SGC.

I think it is a sad case that INDEX seems to have handed off the "name" or pedigree (which appears to becoming more mongrel than pure) without assuring the present owners of the INDEX Labs QRP+ and ++ that they WILL have continuing service, upgrades, etc. Given the modular nature of the rig (though densely packed) one can easily have assumed the ease of upgrades and fixes for the rigs, making for long-term utility

- now that  
the basic box would APPEAR to  
be orphaned, and its long term utility seems suspect, particularly to anyone  
who does not have the means to burn a PROM and so on.

Two years ago I expressed fears that this rig would be too short term an

endeavour, and would be orphaned. If anyone is close enough to Gig Harbor or SGC, I would strongly urge them to contact Index or SGC and have them EXPLICITLY state publicly at the SGC site and in their ads what the status of the 2000 + rigs is. Does SGC choose to take on MORE than a 'name' (a name I fear is being muddled by their LACK of communication - form letters stating 'boards not available' do NOT cut it, IMHO)) and is SGC prepared to take on the continuing support of the products sold until recently under the Index name? If so, fine. They both should say so, rather than just proposing a new radio to be offered by 'a company with more than 25 years experience', while at the same time letting the present customer-owners twist in the wind.

That all said, I await further news, before I turn to Ten-Tec once again for a company with a track record of long term business and long term product support. Neither Index nor SGC are currently showing the class that TT seems to have demonstrated from the beginning of its operations.

Brien  
VE3VAW  
Toronto

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Bill Howell <bhowell@mail.utexas.edu>  
Subject: [16804] RE: Kester solder info  
Message-ID: <199704072005.PAA22127@mail.utexas.edu>

Try the Kester Web page at: <http://www.kester.com/index.htm>

Their Customer service email is: [customerservice@kester.com](mailto:customerservice@kester.com)

According to their Page, they even have Technical data sheets available for download, in Word format.

I'll bet if you emailed your info to them, they could identify what you have.

\*\*\*\*\*

YOU WROTE:

" Hello Group,

I wonder if anyone can give some advise. I bought a large roll of Kester rosin core solder at a hamfest. Im not sure of the markings or if it safe to use for electrical work. It is Kester"44" resin core. the box is marked 99.8T .2A for the alloy. And 58 for the core. The diameter is .020 , the very small diameter is nice. Im used to the 60-40 type markings. Is this solder OK to use??

Any advise will be helpful, thanks.

72&73 de Scott Bauer W3CV"

\*\*\*\*\*

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
voice 512.471.1388  
bhowell@mail.utexas.edu  
N5ALO QRP-L #415

everything is sacred  
nothing is serious

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [16740] Re: Kester Solder: Answer  
Message-ID: <3.0.1.32.19970406201838.009aedf0@tiger.avana.net>

>electrical work. It is Kester"44" resin core. the box  
>is marked 99.8T .2A for the alloy. And 58 for the core.  
>The diameter is .020 , the very small diameter is nice.

Scott, there is only one type 44 @ 0.20" listed in Allied's catalog... their Type nr: 24-6337-0010 which the book says is a 63/37 alloy... and there is another @ 0.25" which is ordinary 60/40 with Type nr: 24-6040-0018... both types are listed as 25 guage... as I recall, the '58' is supposed to refer to the number of flux cores within the solder. Pretty good squeezing on their part.

ALL OTHER flux types carry a different designation from '44'... and so in terms of the flux, it should be fine. I know



that different alloys have different characteristics, but I doubt it would matter much for ordinary use. I've used both 60/40 and 63/37 at various times & applications.

Hope this helps.  
72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

INTERESTS: DX    QRP    BoatAnchors    Test Equipment    Photography

"Think you can, think you can't: either way you're right!"    Henry Ford

From owner-qrp-l@Lehigh.EDU    Mon Apr 7 18:06:57 1997  
From: Hank Kohl <k8dd@contesting.com>  
Subject: [16816] Re: Mich QSO Party  
Message-ID: <2.2.32.19970407210142.007105f0@tir.com>

>  
>To bad there is no QRP entry class... Sigh.  
>

Would you all please add the following line to the "Entry Classes"

QRP or High Power

Write QRP on the entry sheet!

I hate it when I have to proof-read my own stuff!

73    Hank

\*/      Hank Kohl    K8DD      k8dd@contesting.com  
\*/      ARRL TS      (k8dd@tir.com)

\* / MI-QRP - Vice Pres. QRP-ARCI - Director  
\* / G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: randy\_ott@juno.com (Charles R. Ott)  
Subject: [16739] Re: NN1G 20m. rig problem.... any ideas?  
Message-ID: <19970405.174835.10230.1.randy\_ott@juno.com>

On Sun, 06 Apr 1997 01:39:19 -0800 Harry Bump <bump@redrose.net> writes:

>Hi Gang,  
>  
>Built an NN1G (Mk II) rig fer 20m a couple (2-3) years ago and have  
>enjoyed using  
>it very much; however it has recently developed a problem.  
>  
>When on my dummy load it shows one watt output and (almost) no  
>reflected power, but  
>when switched to the antenna SWR shoots up to above 4:1.  
>  
>When I do the same with my main station rig (same antenna, meter,  
>switch, and cables)  
>the antenna appears to be resonant and SWR very near unity.  
>  
>The same situation appears at the mobile antenna on my vehicle...  
>  
>Any ideas?  
>  
>  
>73,  
>  
>Harry, KM3D  
>  
>Outlaw Wireless League  
>QRP-ARCI #3875  
>Norcal #1295  
>QRP-L #637  
>  
>  
Harry,

Sounds like spurious signals appearing on the output. Since the dummy load is resistive at a wide range of signals, the SWR will look fine. The antenna, on the other hand, will provide a good match at a very narrow band of frequencies, thus the high SWR reading. Judging by the high readings, the spur level is probably very high, compared to the

desired frequency. I am not familiar with this rig but it sounds like an oscillation in the driver or final stages. A spectrum analyzer would be helpful but given the probable degree of spurious signal, an oscilloscope will likely reveal a quite distorted output. Take a look at the signal, with dummy load connected, on the 'scope.

-----  
Charles R. (Randy) Ott  
K5HJ - QRP-L #1040  
-----

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: ekscott@ibm.net  
Subject: [16786] Re: No subject given  
Message-ID: <33491B5E.5763@ibm.net>

tim\_hynde@idecc.com wrote:

>  
> >  
> >Jeese! I \*HATE\* the change to Definitely Stupid Time! There oughta  
> >be something we can do to keep the time the same thruout the year!  
> >WHY this upheaval twice a year! It's hell on the old body. I don't  
> >care what time zone you standardize on, the object is: QUIT SCREWING  
> >WITH THE CLOCK! GRRRRrrrrrr!  
>  
> For us losers who still have to work for a living it provides an  
> extra hour of day light during the summer months for outdoor  
> activities. That was the reason for the creation of DST.  
>  
> 73, Tim, ka8ddz  
>

You get that extra hour of daylight with or without DST it's just that without DST it falls in the morning instead of the evening. I say 6 of one 1/2 dozen of another who cares I would rather not upset the internal clock twice a year.>>>Erin

Erin Scott KK7GE (X KC7LEU)  
ekscott@ibm.net  
escott@gstworld.net

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [16801] Re: PN4355 specs ?  
Message-ID: <199704071913.NAA19530@zia.aoc.nrao.edu>

The 2N4355 (Motorola Semiconductor Data Book) is a PNP silicon transistor.

Pd 350mW

Vcb, Vce 60v

hfe 60 (min) at 100uA

Ft 500 MHz

Can't find it in the small-signal data books for specifics on a few other parameters (like Ic max and hfe current gains at other Ic current levels).

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>  
Subject: [16810] Re: PN4355 specs ?  
Message-ID: <Pine.A41.3.95b.970407135626.18762A-100000@homer16.u.washington.edu>

I've got old phone numbers for Solid State Devices and  
Crimson Semi, the companies that may have made this part.

|                          |                                  |
|--------------------------|----------------------------------|
| Solid State Devices      | also...Crimson Semiconductor Inc |
| 14849 Firestone Blvd.    | 460 W. 34th St., 12th Floor      |
| PO Box 577               | New York, NY 10001               |
| La Mirada, CA 90637-0577 | Phone: (212) 947-8585            |
| Phone: (213) 921-9660    | 1-800-431-5018                   |
| FAX: (213) 921-2396      | FAX: (212) 629-3147              |

Also might try Advanced Semiconductor, American Micro Semiconductor, Hi-Tron, Powerex Inc., Semitronics, and Space Power. These companies made the 2N4361 which is the nearest I could source to your part.

On Mon, 7 Apr 1997, Stanley Wilson wrote:

> Anyone with a data book listing PN4355 or 2N4355 ?  
>  
> Need gain, voltage, current info, PNP or NPN, etc.  
>  
> Thanks, Stan  
>  
>  
>

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [16769] Re: QRP is BEAUTIFUL!!!!  
Message-ID: <Pine.LNX.3.93.970407063041.340B-100000@dns.vidtel.com>

On Mon, 7 Apr 1997, Eric Via wrote:

> I LOVE this stuff!! I know I carry on alot about this - but  
> it's only because sometimes I'm amazed at what we can do  
> with so little power!

Agreed, I'm new at this too and it's still more fun than I thought I'd have! Last night the dipole "broke", SWR is at 3:1 and I didn't get to fix it yet. Just got the keyer in the OHR and wanted to play. I was in the "Ahhh, they'll never hear me" mindset but gave it a try anyway. So with 950mW and a 3:1 SWR (to lazy to hook up the tuner)I ended up with a 559 from MD to MN! Not bad for "toy" radios, hi.

72

|                                           |  |                                |
|-------------------------------------------|--|--------------------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ...our chief weapons are fear, |
| -- Voice 301.990.0735 N3XRV QRP-L #655    |  | fear and surprise, and nice    |
| -- Mail ccart@vidtel.com                  |  | red uniforms, oh damn!!        |
| -- ccart@erols.com                        |  | -- Monty Python                |

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "Brian K. Shiratsuki" <bks@bks.com>  
Subject: [16768] Re: QRP-L digest 688  
Message-ID: <3.0.32.19970407015407.0094f520@bks.com>

>From: k7sz@juno.com (Rich H Arland)

>On Sat, 5 Apr 1997 17:39:54 -0800 (PST) Stanley Wilson <microres@crl.com>  
writes:

>>Portable antenna: Big Rock  
>> 1/8" rope 30 ft long  
>> 60 ft of wire

>...Well, I have used this system on many occasions. The only problem is that  
>in some of the camping areas I have been in, the trees are so dense you  
>cannot string a wire in any direction except for straight up!...

hm, well then it would be wise to wear a helmet or hard hat. once the 38S is in band, i am going to try something similar with 46 feet of wire and a rainbow. but maybe i'll drop the rock off a building or something, since i do not have a good helmet around.

brian

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Ron Boyd <rdboyd@hiwaay.net>  
Subject: [16770] Re: Radio Waves BLOW MY MIND!!!  
Message-ID: <1.5.4.16.19970407054302.2c0772aa@mail.HiWAAAY.net>

Hello Eric!

I agree with all you said about radio waves. That is exactly what got me involved with amateur radio. I used to go over to a ham's house and watch/listen to him talk wwith people in Russia, and listen to the great accents, and then watch as he made CW contacts with Japan, Australia. That just blew me away. Needless to say, when I made my first HF contact with a ham in the Netherlands back in 1992, I was \*hooked\*. Another thing I enjoy is getting exotic QSL cards from all over the world with beautiful stamps.

I have been away from the hobby (somewhat) due to bottom of sunspot cycle, but my interest has picked back up. I enjoyed working Jim in Alaska with 5 watts and an attic dipole (AL7FS). I have several hobbies (amateur radio, model railroading 0/027, SWL, camping, Boy Scouts, and my most favorite hobby...my two sons). My 12 year old is working on getting his Tech plus license.

Anyway, I enjoyed reading your post about radio waves. It really is magical. It is like taking a magic carpet ride. It is truly amazing what you can do with a few watts and an attic dipole. Here's hoping the magic in radio continues to amaze us forever!

72 de K04V0/qrp

Ron Boyd  
Decatur, AL  
QRP ARCI #8236  
MI QRP #1183  
G-QRP #7796  
QRP-L #1063

Kenwood TS 850 with two multiband parallel attic dipoles

DXCC, WAS, WAC

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
Subject: [16785] Re: Radio Waves BLOW MY MIND!!!  
Message-ID: <Pine.OSF.3.95.970407093827.10983C-1000000@duke.usask.ca>

On Mon, 7 Apr 1997, Eric Via wrote:

>  
> Fellow Ham Ops,  
>  
> I don't care HOW many books I read on science, or on  
> radio waves, or modern technology, sometimes it just  
> seems like plain and simple MAGIC to me what exactly  
> happens!  
>  
> I mean I had a QSO with a cat in New York the other  
> night, and here I sit in my spare bedroom in Wylie,  
> Texas (Near Dallas).

I know all this electronics is amazing but what really impresses me is the existence of cats who are hams ;-). Was the cat using CW? Did it have a good fist (or should I say paw).

Sri. couldn't help myself.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                               |
+-----+
| Keep Cool, but Don't Freeze          |
|           - Hellman's Mayonnaise     |
+-----+
```

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [16811] Re: SG-2020 Specs  
Message-ID: <2.2.16.19970407210817.276f83b6@eloi>

At 02:04 AM 3/30/97 +0000, you wrote:

>--

>Specs for SG-2020:

> Technical Features of the Model SG-2020 Transceiver

>

...snip...

> Sensitivity better than .3uV

> Intermodulation +15dBm 3rd order intercept

Well, these specs are certainly nothing to brag about! My modified QRP+ has a receive sensitivity of less than 0.1uV, as does a standard QRP++. Not sure about the 3rd order intercept...

> Built-in Noise Blanker

> RF gain control

These are certainly improvements over the QRP+/QRP++...

> Total consumption in Receive mode; under 200mA

About the same as a QRP++...

> Transmitter power adjustable from 0 to 20 watts PEP output, with

> efficient operation at 5W

Wonder what they are using in the final?

...snip...

>

>Notes:

>

> 1.Meets all applicable FCC and EC requirements for spurious emissions

The QRP+/QRP++ certainly won't meet EC harmonic attenuation specs!

> 2.In addition to the features herewith, all specifications of the

> Model SG-2020 will meet or exceed those of the QRP PLUS transceiver

I should hope so...

> 3.Specifications subject to change without notice

Which probably means they ain't actually built one yet...

> 4.Product available tentatively September 1997.

Don't hold your breath...



So... what happens to support (parts and service) for the 2000 or so Index QRP Plus rigs out there in ham-land????

72, L.

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Goemans <jgoemans@facstaff.wisc.edu>  
Subject: [16749] re: Solder Stations & MCM  
Message-ID: <199704070222.VAA28898@audumla.students.wisc.edu>

Hi gang,

The solder stations look good. Interestingly, MCM Electronics is located very near Dayton, and in fact has a BIG spread at the Dayton Hamvention. They sell parts to the electronics service industry, but aren't we QRP-L builders in that business also :-)

OBQRP, had a nice 20 min. chat with Griso, EA8/DJ10T on 30 mtrs less than an hour ago.

72, Paul

Paul R Goemans WA9PWP  
1508 Sundt Lane  
Stoughton, Wi. 53589-1069 608-877-4151  
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Ed Loranger <we6w@qsl.net>  
Subject: [16789] Re: SOLDERING STATIONS....Temp = Watt???  
Message-ID: <33492AB3.5072@qsl.net>

Real quick: Wattage and Temperature are very different.

Wattage refers to How much mass can be heated while maintaining a certain tip temperature.

-Ed

--

72/73 de WE6W QRP .3W QSX 7040 KHz SK ee (First and Last callsign!)  
OHR-100, Pixie2, Johnson Viking II w/VFO.  
mailto:we6w@qsl.net QRP-L member #1068.  
<http://www.qsl.net/we6w>

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: randy\_ott@juno.com (Charles R Ott)  
Subject: [16800] Re: stock 38S alive, on to next challenges  
Message-ID: <19970407.140339.3606.0.randy\_ott@juno.com>

On Mon, 7 Apr 1997 03:28:39 -0400 (EDT) PGSPersEng@aol.com writes:

\*\*\* some stuff deleted \*\*\*

>

>I want to adjust the tuning range for the rig (get the low end with  
>the  
>DXers), and I've read the posts concerning it. However, would it make  
>sense  
>to simply replace D3 with a varactor? Anyway, can anybody tell me how  
>much  
>capacitance a 1N4004 is spec'd for?

>

>Thanks,

>Paul, AA1MI

>

>

>

Paul,

I went through a bag of 100 1N4004 diodes and measured the capacitance at 1 volt reverse bias. I had readings ranging from 20 pF to 44 pF (I did not measure the capacitance ratio). It turns out that the 20 pF unit gave the best tuning range but, the 40 pF one would give you the lower frequency coverage you are looking for. I did not have any suitable varactors handy but I am going to investigate that a little further. Good sense tells me that the varactor approach would be better but, I have not been able to prove it yet. This does however, show that the capacitance of the 1N4004 diodes does vary quite a bit.

-----  
Charles R. Ott

K5HJ - QRP-L #1040  
-----

From owner-qrp-1@Lehigh.EDU Mon Apr 7 18:06:57 1997

From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [16756] Re: time change, again.....  
Message-ID: <Pine.LNX.3.91.970406201229.19488A-100000@dt1.datatamers.com>

Sandy,  
My sentiments, too!!!  
72, Dave, W6EMD

From owner-qrp-l@Lehigh.EDU Mon Apr 7 18:06:57 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [16790] Re: unscientific horizontal loop

>From: "James R.Sharp" <lobar@doitnow.com>  
>If the loop is multiple wavelengths of desired bands why won't  
>the coax+balun adequately (not ideally) match to the loop?  
>In your opinion, would 300ohm line be better than RG8X? KC7GHP

Hi James, I don't recall you saying that the loop would be multiple wavelengths on all desired bands. That does make it easier. The modeling I've done shows the resistance increases with frequency so 300 ohm line would definitely be a better choice than coax, especially on the higher HF bands. RG8X would probably be adequate up to 40m.

73, Cecil, W6RCA, 00TC